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Name (Print/Type)	Geralyn M. McFadden	Fax # (if faxed)	(703) 872-9310
Signature	<i>Geralyn M. McFadden</i>	Date	March 7, 2002

Practitioner's Docket No. 106388

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

JAMES F. McGEHEE et al.

Serial No. 10/011,334

Filed: December 3, 2001

PROCESS AND APPARATUS FOR  
COOLING POLYMER IN A REACTORArt Unit: <sup>1711</sup>~~4742~~

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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR BEFORE  
MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This information disclosure statement is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

Over a year before the filing of the subject application, the assignee of the subject application disclosed to a licensee pursuant to a confidentiality agreement the method of adjusting the temperature of the catalyst by direct heat transfer with a gas under conditions in which a ratio of the mass flow rate of the gas multiplied by the heat capacity of the gas to a mass flow rate of catalyst multiplied by the heat capacity of the catalyst over an applicable temperature range is at least 1. The assignee of the subject application had already executed a license for a reactor system with the licensee. The assignee of the subject application was merely trying to advise the licensee as to how to make the reactor system operate effectively. The licensee paid no fee to the assignee of the subject application for providing this information in addition to the previous license fee nor did the assignee ask for any more fees.

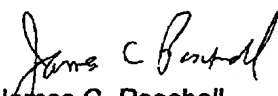
McGehee et al, S.N. 10/011,334 (106388)

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Applicants do not believe that this constitutes an offer for a license under the subject invention, let alone an offer for sale of the subject invention. Applicants are merely making full disclosure of all information which could be material to the prosecution of the subject application.

In addition to the disclosure stated above, Applicants also wish to point out copending U.S. application Serial No. 10/011,353 also filed on December 3, 2001. This copending application is entitled "Process for the Purification of Inert Gases". The owner of this copending application is the same as the subject application.

Respectfully submitted,

  
James C. Paschall  
Attorney for Applicants  
Reg. No. 36,887  
(847) 391-2355 (phone)  
(847) 391-2387 (fax)

JCP/gm

UOP LLC ♦ 25 East Algonquin Road, Des Plaines, IL 60017-5017 ♦ Patent Dept. Fax 847-391-2387

## FAX TRANSMISSION COVER SHEET

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**Subject:** Transmittal of Supplemental Information Disclosure Statement  
McGehee et al, S.N. 10/011,334

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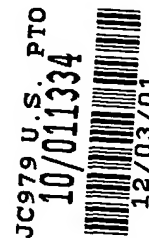
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )

JAMES F. MC GEHEE et al. )

PROCESS AND APPARATUS FOR )  
COOLING POLYMER IN A REACTOR )

Att. Docket No. 106388



**SUBMISSION OF INFORMATION IN ACCORDANCE WITH MPEP 609**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Applicant(s) submit herewith documents which they believe may be material to the examination of this application and with respect to which they believe there may be a duty to disclose the existence and contents thereof. These documents are listed on Form PTO-1449 attached hereto.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), nor as an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission in any manner.

Copies of all listed documents are:

☒ attached hereto.

☐ attached hereto unless provided during the prosecution of the parent application, U.S. Serial No. \_\_\_\_\_ filed \_\_\_\_\_

☐ now allowed

☐ and issued as U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_

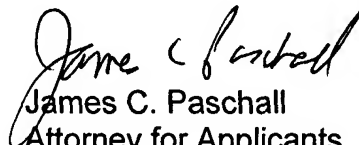
Related Applications:

- ☐ In addition to the documents cited in the specification, applicant wishes to point out copending U.S. application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_.
- ☐ This copending application relates to \_\_\_\_\_.
- ☐ The inventive entity is the same.

The owner of the above applications is the same.

Initialing of each document after its consideration by the Examiner is now respectfully requested in this matter.

Respectfully submitted,

  
James C. Paschall  
Attorney for Applicants  
Reg. No. 36,887  
(847) 391-2355 (phone)  
(847) 391-2387 (fax)

Dated: December 3, 2001

JCP/gm

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev 2-32) PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.: <b>106388</b>	SERIAL NO.:
	APPLICANT: <b>James F. McGehee et al.</b>	
	FILING DATE:	GROUP ART UNIT:

JP979 U.S. PTO  
 10/011334  
 12/08/01

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US 3,227,527 B1	01/66	Heinze et al.	023	288	03/04/63
	US 4,064,112 B1	12/77	Rothe et al.	260	75M	04/15/76
	US 4,255,542 B1	03/81	Brown et al.	526	088	11/30/78
	US 4,460,762 B1	07/84	Gaymans et al.	528	335	03/25/81
	US 5,540,868 B1	07/96	Stouffer et al.	264	013	01/20/95
	US 5,547,652 B1	08/96	Ghisolfi et al.	423	245.3	11/08/93
	US 5,612,011 B1	03/97	Ghisolfi et al.	423	245.3	11/16/95
	US 5,633,018 B1	05/97	Stouffer et al.	425	008	01/20/95
	US 5,662,870 B1	09/97	Walsh	422	245.1	11/27/95
	US 5,708,124 B1	01/98	Al Ghatta et al.	528	308.3	12/07/95
	US 5,744,074 B1	04/98	Stouffer et al.	264	008	08/08/96
	US 5,817,747 B1	10/98	Giordano et al.	528	503	10/16/97

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUBCLASS	TRANSLATION YES NO
JP 5-253468	10/93	Japan	Oogawara Kakoki			X (Abstract)

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Article "Nylon 6 Polymerization in the Solid State" by R.J. Gaymans et al, <i>Journal of Applied Polymer Science</i> , Vol. 27, 2513-2526 (1982).
		Thesis "Impianto di Postpolicondensazione di Polietilentereftalato" by G. Ghisolfi (1984-85)
		Presentation "Advanced PET Bottle-to-Bottle Recycling" by A. Christel, Polyester 2000 World Congress, November 28 – December 1, 2000, Zurich, Switzerland. ✓
EXAMINER		DATE CONSIDERED